

KBR:kbr 02/25/04 3382-65018 256137
FEB 25 2004

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	3382-65018
Application Number	10/656,301
Filing Date	September 4, 2003
First Named Inventor	Lee
Art Unit	2621 2824
Examiner Name	-- Ans Dk

U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Date	Name
AD		5,778,098	7.7.1998	Lee et al. / CLAS 382/236
		5,933,535	8.3.1999	Lee et al. 382/243
		5,970,173	10.19.1999	Lee et al. 382/236
		6,037,988	3.14.2000	Gu et al. 375/240.6
		6,215,496	4.10.2001	Szeliski et al. 345/419
		US-2003-0138150-A1	7.24.2003	Srinivasan et al. 382/236
AD		US-2003-0156646-A1	8.21.2003	Hsu et al. 375/240

OTHER DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Document
AD		ISO/IEC, "ISO/IEC 11172-2, Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s - Part 2: Video, 112 pp. (1993).
		Ebrahimi, "MPEG-4 Video Verification Model: A video encoding/decoding algorithm based on content representation," 30 pp. (1997).
		ISO/IEC, "JTC1/SC29/WG11 N2202, Information Technology - Coding of Audio-Visual Objects: Visual, ISO/IEC 14496-2," 329 pp. (1998).
		ITU-T, "ITU-T Recommendation H.261, Video Codec for Audiovisual Services at p x 64 kbits," 25 pp. (1993).
		ITU-T, "ITU-T Recommendation H.262, Information Technology - Generic Coding of Moving Pictures and Associated Audio Information: Video," 205 pp. (1995).
		ITU-T, "ITU-T Recommendation H.263, Video coding for low bit rate communication," 162 pp. (1998).
AD		"JPEG Image Coding Standard," 23 pp. [Downloaded from the World Wide Web on February 23, 2004.]

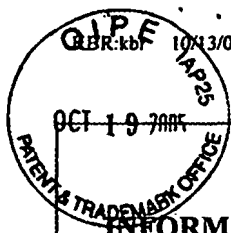
EXAMINER
SIGNATURE:

Ans Dk

DATE
CONSIDERED:

8/24/07

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.



GBR:kb 10/13/05 3382-65018-01 MS 302243.02

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

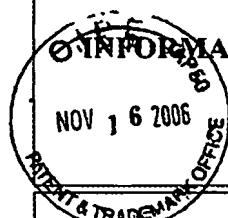
Attorney Docket Number	3382-65018-01
Application Number	10/656,301
Filing Date	September 4, 2003
First Named Inventor	Lee
Art Unit	2621 2621
Examiner Name	not yet assigned

U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
AD		5,617,144	April 1, 1997	Lee 375/240.16
		5,970,173	October 19, 1999	Lee et al. 382/236
		6,369,835	April 9, 2002	Lin 715/726
		6,392,705	May 21, 2002	Chaddha 348/388.1
		6,650,705	November 18, 2003	Vetro et al. 375/240.08
		6,728,317	April 27, 2004	Demos 375/240.21
AD		RE 35,910	September 29, 1998	Nagata et al. 348/416.1
Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS		
AD		Wu et al., "Joint estimation of forward and backward motion vectors for interpolative prediction of video," <i>IEEE Transactions on Image Processing</i> , Vol. 3, No. 5, pp. 684-687, Sept. 1994.		
AD		Reader, "History of MPEG Video Compression - Ver. 4.0," 99 pp., document marked December 16, 2003.		

EXAMINER SIGNATURE: <u>Ann D.</u>	DATE CONSIDERED: <u>6/24/07</u>
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.	



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	3382-65018-01
Application Number	10/656,301
Filing Date	September 4, 2003
First Named Inventor	Lee
Art Unit	2621 2624
Examiner Name	Auh D.

U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
AD		5,929,902	7.27.1999	Kwok 348/96
		6,058,212	5.2.2000	Yokohama 382/236
		6,178,205	1.23.2001	Cheung et al. 375/240.29
AD		6,594,313	7.15.2003	Hazra et al. 375/240.16

U.S. PATENT APPLICATION DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant
AD		2004/0001705	1.1.2004	Soupliotis et al. 348/242.1
AD		2005/0254584	11.17.2005	Kim et al. 375/240.27

OTHER DOCUMENTS

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
AD		Anandan et al., "Hierarchical Model-Based Motion Estimation," Kluwer Academic Publishers, Boston, pp. 1-22 (1993).
		Avid Technology, Inc., materials downloaded from World Wide Web, 11 pp. (downloaded from World Wide Web on February 18, 2005).
		Barron et al., "Performance of Optical Flow Techniques," <i>IJCV</i> , Vol. 12, No. 1, pp. 43-77 (1994).
		Beauchemin et al., "The Computation of Optical Flow," <i>ACM Computing Surveys</i> , Vol. 27, No. 3, pp. 433-467 (1995).
		Bugwadia et al., "Progressive-Scan Rate Up-Conversion of 24/30 Hz Source Materials for HDTV," <i>IEEE Transactions on Consumer Electronics</i> , Vol. 42, No. 3, pp. 312-321 (1996).
AD		Cafforio et al., "Motion Compensated Image Interpolation," <i>IEEE Transactions on Communication</i> , Vol. 38, No. 2, pp. 215-222 (1990).

EXAMINER SIGNATURE: Auh D.	DATE CONSIDERED: 6/24/07
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket Number	3382-65018-01
	Application Number	10/656,301
	Filing Date	September 4, 2003
	First Named Inventor	Lee
	Art Unit	2621 ZBZ
	Examiner Name	Anli Do

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
AD		Chang et al., "Simultaneous Motion Estimation and Segmentation," <i>IEEE Transactions on Image Processing</i> , Vol. 6, No. 9, pp. 1326-1333 (1997).
		DynaPel Systems, Inc., materials downloaded from World Wide Web, 20 pp. (downloaded from World Wide Web on February 18, 2005).
		Efstratiadis et al., "Motion Field Prediction and Restoration for Low Bit-Rate Video Coding," <i>Proc. 2nd International Conference on Image Processing (ICIP 95)</i> , 4 pp. (October 1995).
		Ghosal et al., "A Fast Scalable Algorithm for Discontinuous Optical Flow Estimation," <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , Vol. 18, No. 2, pp. 181-194 (1996).
		Guleryuz, "Iterated Denoising for Image Recovery," <i>IEEE</i> , 10 pp. (marked April 2002).
		Hendriks et al., "Recursive Disparity Estimation Algorithm for Real Time Stereoscopic Video Applications," <i>IEEE International Conference on Image Processing</i> , pp. 891-894 (September 1996).
		Horn et al., "Determining Optical Flow," <i>Artificial Intelligence</i> , pp. 185-203 (1980).
		Kim et al., "Local motion-adaptive interpolation technique based on block matching algorithms," <i>Signal Processing: Image Communication</i> , Vol. 4, pp. 519-528 (1992).
		Krishnamurthy et al., "Frame Interpolation and Bidirectional Prediction of Video using Compactly-Encoded Optical Flow Fields and Label Fields," <i>IEEE Transactions for Circuits and Systems for Video Technology</i> , 30 pp. (1996).
		Lucas et al., "An Iterative Image Registration Technique with an Application to Stereo Vision," <i>Proceedings of Imaging Understanding Workshop</i> , pp. 121-130 (1981).
		Martins, "Real-time Video Frame Rate Adaptation Based on Warping of Edge-Preserving Meshes," <i>ICIP</i> , pp. 948-952 (1999).
		Morimoto et al., "Automatic Digital Image Stabilization," <i>Proc. of IEEE International Conference on Pattern Recognition</i> , Vienna, Austria, 6 pp. (August 1996).
		Ribas-Corbera et al., "Interframe Interpolation of Cinematic Sequences," <i>Journal of Visual Communication and Image Representation</i> , Vol. 4, No. 4, pp. 392-406 (1993).
		Shum et al., "Panoramic Image Mosaics," Technical Report MSR-TR-97-23, 53 pp.
AD		Simoncelli, "Bayesian Multi-Scale Differential Optical Flow," <i>Differential Formulation</i> , pp. 397-422 (1998).

EXAMINER SIGNATURE: Anli Do	DATE CONSIDERED: 6/24/07
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Attorney Docket Number	3382-65018-01
		Application Number	10/656,301
		Filing Date	September 4, 2003
		First Named Inventor	Lee
		Art Unit	2621 2824
		Examiner Name	Ayala

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
AD		Stiller et al., "Estimating Motion in Image Sequences, A tutorial on modeling and computation of 2D motion," <i>IEEE Signal Processing</i> , 36 pp. (1999).
		Sullivan et al., "The H.264/AVC Advanced Video Coding Standard: Overview and Introduction to the Fidelity Range Extensions," 21 pp. (August 2004).
		Thoma et al., "Motion Compensating Interpolation Considering Covered and Uncovered Background," <i>Signal Processing: Image Communication</i> , Vol. 1, pp. 191-212 (1989).
		Tubaro et al., "Motion Field Estimators and their Application to Image Interpolation," <i>Motion Analysis and Image Sequence Processing</i> , Kluwer Academic Publishers, Chapter 6, pp. 153-187 (1993).
		Zhang et al., "Piecewise linear motion-adaptive interpolation," <i>Signal Processing: Image Communication</i> , Vol. 4, pp. 93-99 (1991).

EXAMINER SIGNATURE: Ayala Do	DATE CONSIDERED: 6/24/07
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.	